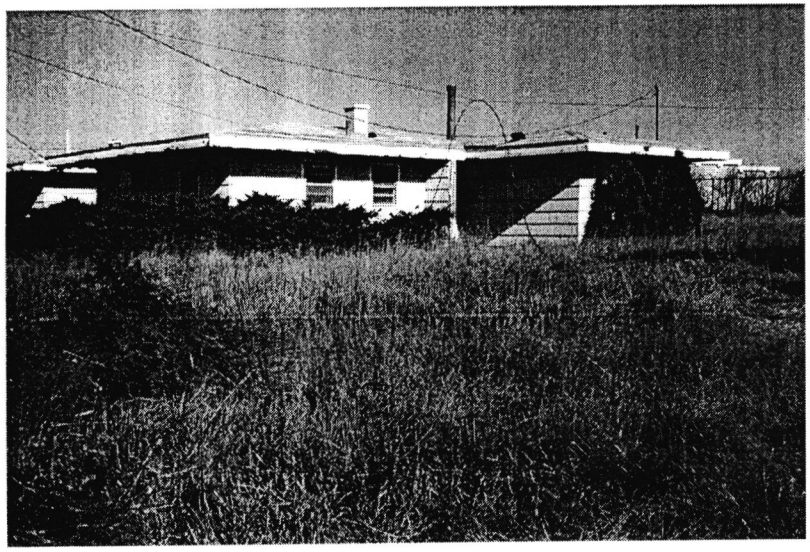
Building Number: 107
(Same as 101, 103, 105 and 109)

Original Name: **Family Housing (large)**

Est. Year of Construction: **1953**

General Data

- Square Footage: 1,085 sf
- # of Floors: 1
- # of Rooms: 6
- Basement or Crawl Space? Slab-on-grade



View from southwest.

Exterior Conditions

- *Roof*

  Low-pitch hip roof covered with roll asphalt in **fair condition**. Possible leak at vents. Deep overhangs; paint at wood soffit is peeling / cracking.

- *Wall*

  Wood frame sheathed in cement asbestos shingles. 4 painted wood flush doors. 3 are entrances to building; one to the "closet" that houses the elec. panel. 8 double-hung and one picture window - all painted wood with aluminum storm windows. All paint is peeling / cracking.

- *Trim*

  Painted wood window and door trim and wood fascia in **poor condition**. Door trim at the vestibule on the east wall is rotted. All paint is peeling / cracking.

- *Foundation*

  Poured concrete. All doors are one step above slab on grade.

Interior Conditions

- *Ceiling*

  Gypsum wallboard with mildew damage; peeling in kitchen.

- *Wall*

  Gypsum wallboard - cracked and peeling.

- *Trim*

  Wood casings with mildew damage.

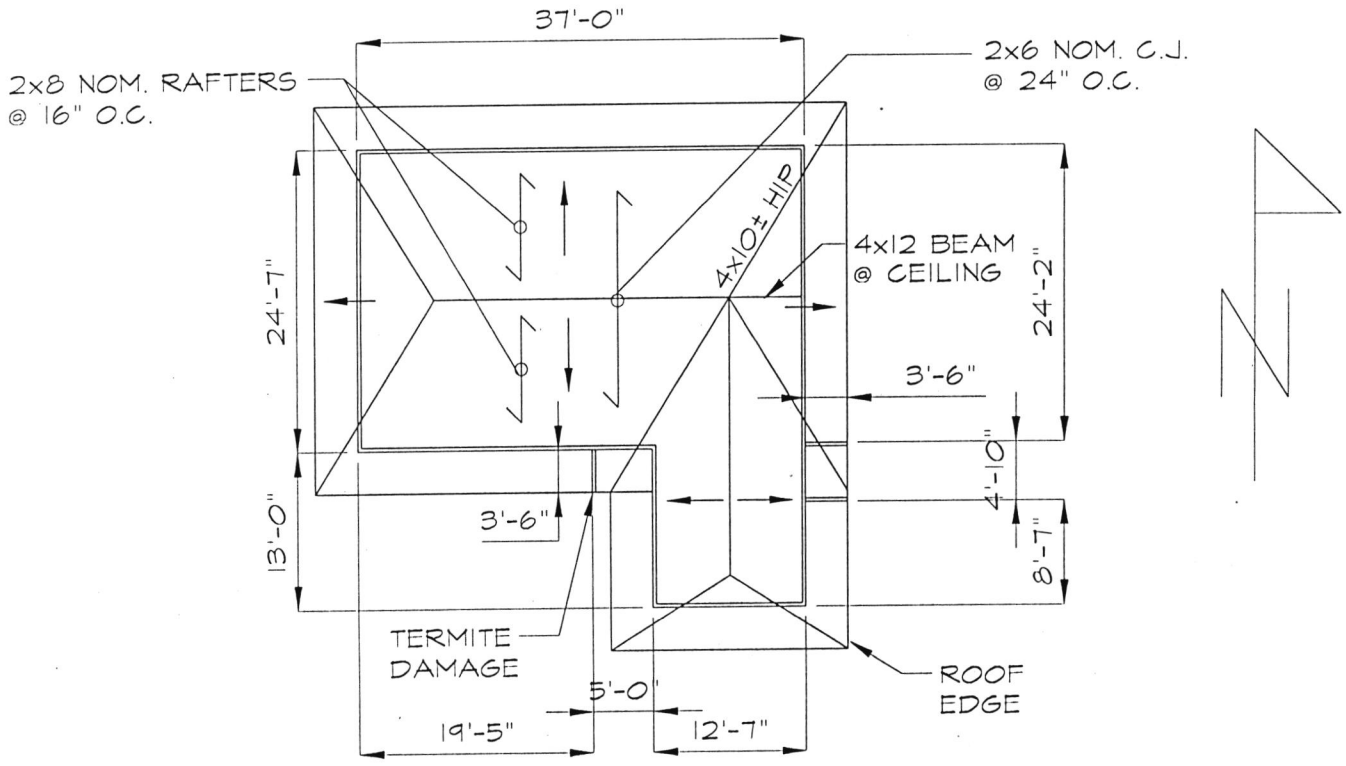
- *Floor*

  Sheet vinyl over slab throughout, except ceramic tile at bathroom.

Unique Equipment

None.

Building Number: 107



8" CMU FOUNDATION

CONCRETE SLAB
ON GRADE FLOOR

ROOF
3'-6" OVERHANG
SLOPE 10°

107

We have listed in Table 1 the location and estimated quantity, by square foot (sf), linear foot (lf), or other appropriate unit, of each type of ACBM identified at the site. We have also provided asbestos location drawings in Appendix B.

TABLE 1. • List Of Materials Testing Positive For Asbestos
Building 107, Truro Air Base, North Truro, Massachusetts

Type of Material	Location	Quantity
Yellow linoleum floor sheeting and underlying tan/green or gray 9" x 9" floor tile	Bedrooms, kitchen, corridor and living room	940 sf
Joint compound and associated gypsum wall and ceiling board	Throughout	3,035 sf
Black 3-tab roof shingles	Roof	1,400 sf

In Table 2, all materials that tested negative for asbestos are listed, including the locations where these materials were observed and the corresponding bulk sample reference number(s).

TABLE 2. • List Of Materials Testing Negative For Asbestos
Building 107, Truro Air Base, North Truro, Massachusetts

Type of material	Location(s) observed	Sample number(s)
Black mastic underlying 9" x 9" floor tile **(see note 1)**	Throughout, excluding hot water heater room and bathroom	107-02A, 107-04A, 107-06A
Yellow linoleum floor sheeting **(see note 1)**	Throughout	107-08A
White gypsum wallboard (must be treated as ACM where cross-contaminated by associated joint compound)	Throughout	107-10A, 107-10B
Black tar paper	Underlying exterior wood siding shingled	107-11A
Gray window glazing **(see note 1)**	Windows throughout	106-12A

Note 1: PLM analytical results indicated that these building materials contain a trace amount of chrysotile asbestos (< 1% asbestos by composition). We recommend additional testing of these materials via Transmission Electron Microscopy (TEM) before beginning work that may disturb them. TEM is a more definitive method for determining the presence for asbestos in resinously bound materials such as mastic adhesives, linoleum, asphalt based materials and glazing compounds, etc.

Conclusions and Recommendations

On the basis of our findings, we offer the following conclusions and recommendations:

1. Both friable and nonfriable ACBM were identified at the site. Should the building be renovated or demolished, removal of the ACBM will be necessary. Abatement of all friable as well as nonfriable ACBM that will be made friable by demolition activities must be performed before building demolition. This work should be conducted by a licensed Asbestos Abatement Contractor in accordance with a project design prepared by a certified Abatement Project Designer.
2. The gypsum wallboard must be treated as ACM due to cross-contamination by the joint compound. All joint compound and contaminated gypsum board must be removed by a licensed asbestos abatement contractor. We recommend that the joint compound be further analyzed by the point count method, a systematic analytical technique to determine if the material in fact does contain greater than 1% asbestos by composition.
3. We recommend TEM analysis of those floor tile mastic adhesives determined to contain a trace amount of asbestos via PLM analysis. TEM analysis is a more definitive method than PLM of determining the presence for asbestos in materials such as mastic adhesives, floor tiles, asphalt roof materials and other such resinously bound building materials.
4. If any suspect ACBM are identified at a later date that are not addressed in this inspection report, they should be assumed to be ACBM unless appropriate sampling and analysis demonstrates otherwise.
5. Develop a site-specific operations and maintenance (O&M) program for properly maintaining ACBM that will remain in place. Such a program would include a site-specific O&M plan, training of workers who may impact ACBM, periodic inspection of locations where ACM is present, and other applicable guidelines and procedures.

Cost Estimates

We have provided cost estimates for removing all ACBM at the site. These estimates are based on current industry standards that may fluctuate rapidly based on a variety of factors: the prevailing economic climate, seasonal differences, union labor considerations, scale of the abatement, occupancy of the building, and so on. We recommend that qualified abatement contractors be solicited to determine actual pricing involved. All cost estimates assume asbestos abatement contractors will conduct the abatement work.. In addition to pricing for abatement, we have considered anticipated industrial hygiene costs associated with abatement, including, air monitoring and oversight of the abatement.

For removal of:

Tan linoleum floor sheeting, and underlying 9" x 9" floor tile	940 sf @ 4/sf	$ 3,760.
Joint compound and associated gypsum wall and ceiling board	3,035 sf @ 7/sf	21,245.
Black 3-tab asphalt roof shingles	1,400 sf @ 3/sf	4,200.
	TOTAL REMOVAL COST (CONTRACTOR)	$ 29,205.
	TOTAL INDUSTRIAL HYGIENE COSTS	5,000.
	TOTAL COMBINED COSTS	**$ 34,205.**

VHB

XRF Field Testing Results

Site Access: Yes
Demo Permitted?: Yes
Project# 07394
Location: Building #107

Date 11/16/00
Page 1 of 1
Project Name: N. Truro AFS
Inspector: TMD

Location	Surface Tested	Substrate	Concentration (mg/cm^2)	Estimated Quantity*
Building #107				
Living Room	White wall	SR	0.2	
Hall	White door to furnace	Wood	0.5	
Bathroom	Green wall	SR	0.5	
Bedroom	White wall	SR	0.2	
	White door casing	Wood	0.5	
Kitchen	White upper cabinets	Wood	< 0.1	
	White door to exterior	Wood	0.5	
	White baseboard	Wood	< 0.1	
	White ceiling	SR	0.1	
	White window casing	Wood	0.5	
	White window sash	Wood	0.5	
Exterior	Blue siding	Wood	0.4	
	White window casing	**Wood**	**1.8**	**12**
	White eave	Wood	< 0.1	
	White foyer	Wood	1.0	

VHB **Oil and Hazardous Materials (OHM) Inventory**

Project: Former Air force Station **Project # 07394**
Location: North Truro, MA

Location	Waste Type	Container Type	Volume of Content	Quantity	Comments
Building #107					
	CFCs	Refrigerator		1	

Note: 1 thermostat noted in the building, but no mercury ampule was observed in the thermostat